

ABSTRACT

A currency evaluating device for receiving a stack of currency bills, rapidly discriminating the bills in the stack and then re-stacking the bills which comprises an input receptacle, a transport mechanism for transporting in the direction of the narrow dimension of the bills from the input receptacle to one of a plurality of output receptacles, at a rate in excess of about 800 bills per minute, and a discriminating unit for determining the denomination of each bill. The device may also include an authenticating unit for determining the genuineness of the bills. The authenticating unit may detect by use of a plurality of magnetoresistive sensors or may detect by ultraviolet light. Alternatively, a currency counting and evaluation device comprises an input receptacle, a transport mechanism for transporting the bills in the direction of the narrow dimension to one of a plurality of output receptacles at a rate in excess of about 800 bills per minute, a stationary optical scanning head, means for sampling, a memory for storing characteristic signal samples and a signal processor.